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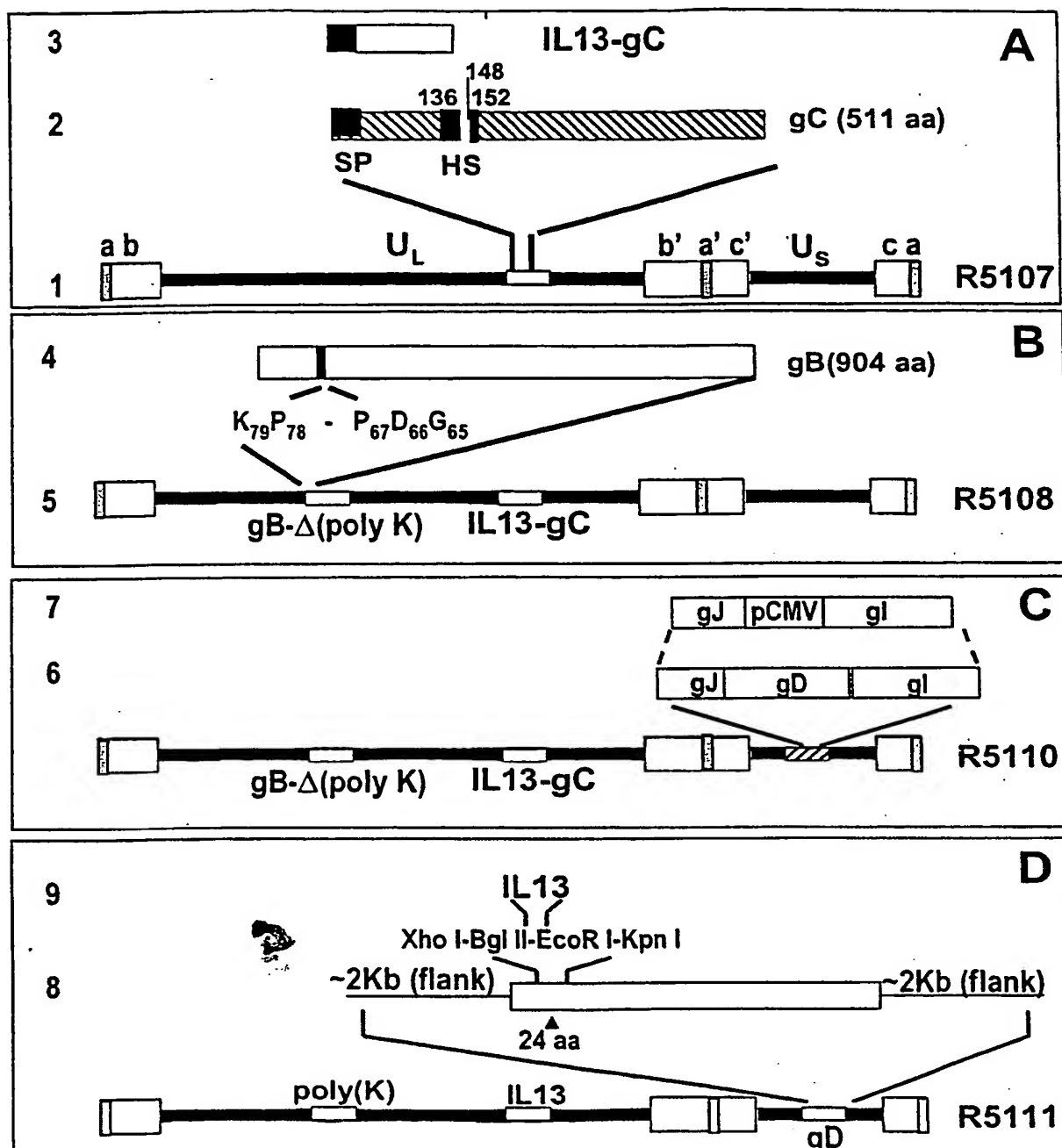


FIGURE 1

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A. The amino terminal sequence of IL13-gC

gcttgggtcgggaggccgcacatcgaacgcacaccccccatccgggtggtccgtgtggagggtcggtttttcagtgcc
 cggctctcgctttgcccgggaacgctagcctcATGGCGCTTTTGTGTGACCACGGTCATTGCTCTCACTTGCC
 gC upstream. IL-13*
 TGGCGGCTTTGCCTCCCCAGGCCCTGTGCCCTCCCTCTACAGCCCTCAGGTA²⁴CTCATTGAGGAGCTGGTCA
 ACATCAGCCAGAACCCAGAAGGCTCCGCTCTGCAATGGCAGCATGGTATGGAGCATCAACCTGACAGCTGGC
 ATGTACTGTGCAGCCCTGGAATCCCTGATCAACGTGTCAAGGCTGCAGTGGCATCGAGAAGACCCAGAGGAT
 GCTGAGCGGATTCTGCCCGCACAAAGGTCTCAGCTGGGCAGTTTTTCAGCTTGCAATGTCCGAGACACCAAAA
 TCGAGGTGGCCAGTTTGTAAAAGATCTGCTCTTACATTTAAAGAACTTTTTTCGCGAGGGACGGTT²⁵aat
tcCACCCCGCATGGAGTTCCGCCTCCAGATATGGCGTTACTCCATGGGTCCGTCCCCCCCCAATCGCTCCGGC
gC downstream

B. The sequence of the gB_{Δpoly(K)} domain

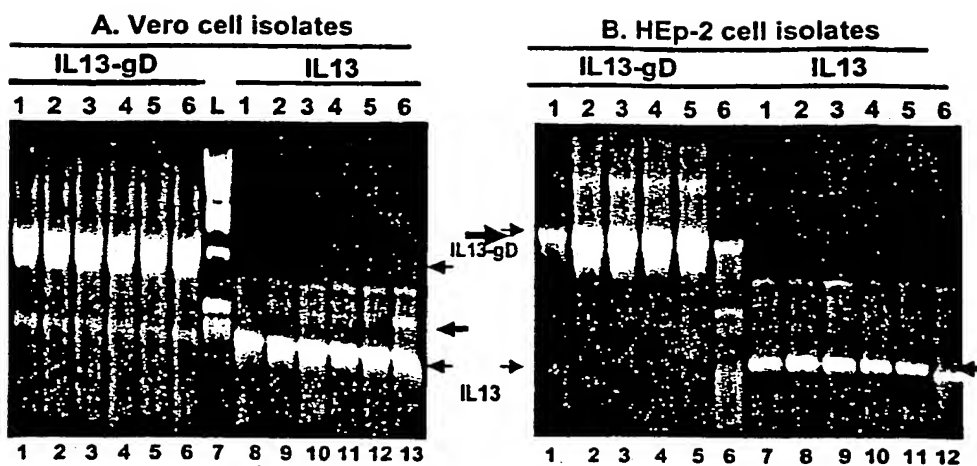
GGGTCTGGTGGCGTCGGCGGCTCCGAGTTCCCCGGCACGCCTGGGGTCCGCGCCGCGACCCAGGCGGC
 GAACGGGGGACCTGCCACTCCGGCGCCGCCCCGCCCTGGCCCCGCCCCAACGGGGGATC²⁴GAAACCGAAG
AAGAACAGAAACCGAAACCCCAAGCGCCGCGCCCCGCGGGGACAAACCGACCGTCGCCCGCGGGCCA
 CGCCACCTTGCGCGAGCACCTGCGGGACATCAAGGCGGAGAAACACCGATGCAAACTTTTACGTGTGCCCA
 CCCCCACGGGCGCCACGGTGGTGCAGTTCGAGCAGCCGCGCCGCTGCCCCGACCCGCGCCCGAGGGTCA

C. The amino terminal sequence of IL13-gD

ATGGGGGGGGCTGCCGCCAGGTTGGGGGCGGTGATTTTGTGTGTCGTATAGTCGGCCCTC
 Signal peptide of gD→
CATGGGGTCCGCGGCAAATATGCCTTGGCGGATGCCTCTCTCAAGCTGGCCGACCCCAAT
 ←
 CGCTTTCGCCGCAAAGACCTTCCGGT²⁴Cctegag*ATGGCGCTTTTGTGTGACCACGGTCATT
24AA XhoI IL13→
 GCTCTCACTTGCCCTTGGCGGCTTTGCCTCCCCAGGCCCTGTGCCTCCCTCTACAGCCCTC
 AGGGAGCTCATTGAGGAGCTGGTCAACATCAGCCAGAACCCAGAAGGCTCCGCTCTGCAAT
 GGCAGCATGGTTTGGAGCATCAACCTGACAGCTGGCATGTACTGTGCAGCCCTGGAATCC
 CTGATCAACGTGTCAAGGCTGCAGTGGCATCGAGAAGACCCAGAGGATGCTGGGCGGATTC
 TGCCCGCACAAAGGTCTCAGCTGGGCAAGTTTTTCAGCTTGCAATGTCCGAGACACCAAAATC
 GAGGTGGCCAGTTTGTAAAAGGACCTGCTCTTACATTTAAAGAACTTTTTTCGCGAGGGA
 CGGTTCAACTGAAAC*ggtaaccCTGGACCAGCTGACCGACCCCTCCGGGGGTCCGGCGCGTG
←IL13 KpnI 25AA
 TACCACATCCAGGCGGGCCTACCGGACCCGTTCCAGCCCCCAGCCTCCCGATC

FIGURE 2

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**FIGURE 3**

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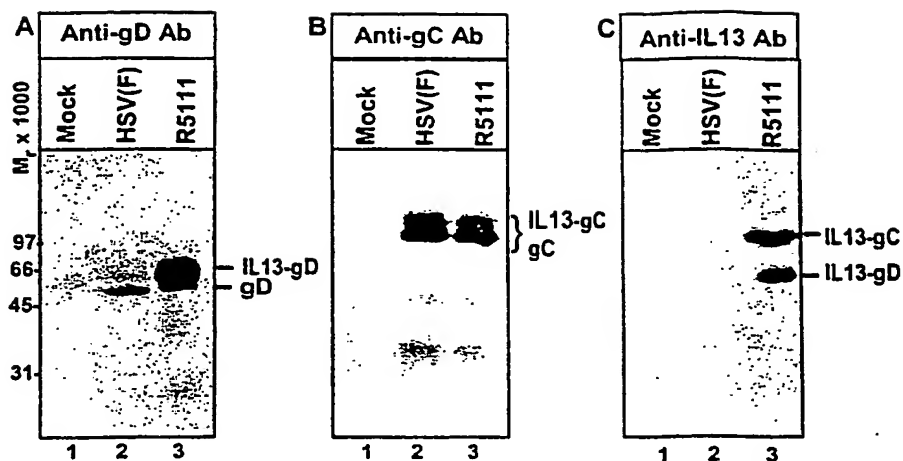


FIGURE 4

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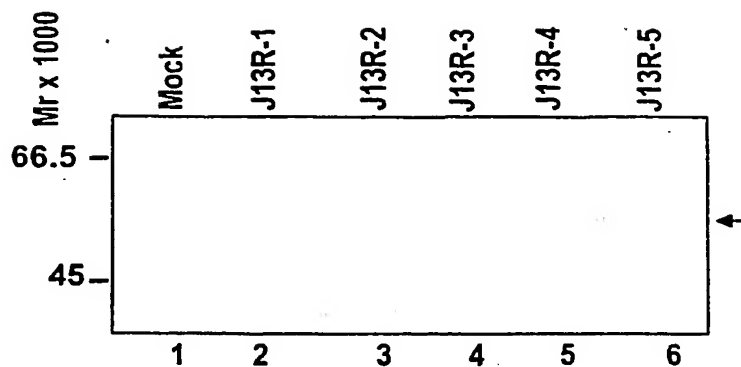
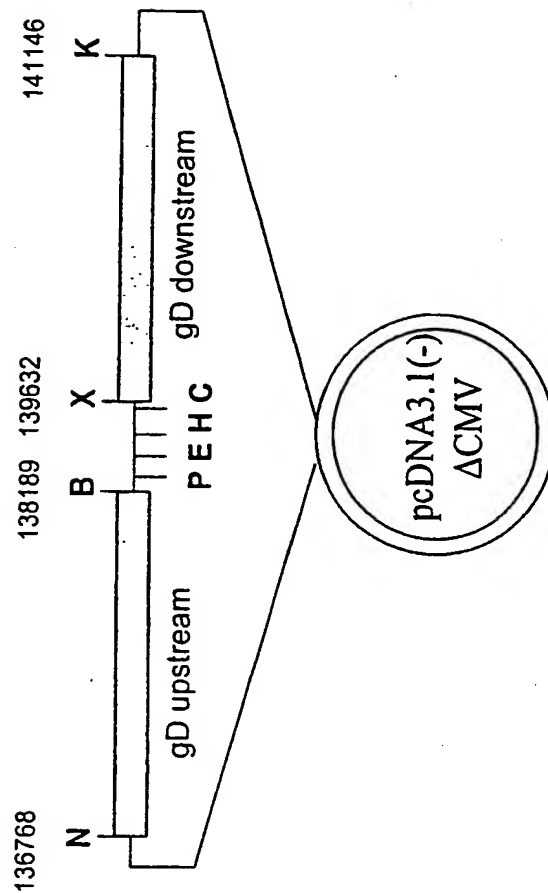


FIGURE 5

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pgD- in pcDNA3.1(-) with CMV promoter collapsed by NruI/NheI digestion. The fragment containing gD upstream at NotI/BamHI, and gD downstream at XhoI/KpnI in pBluescript II SK was excised by NotI/KpnI and ligated into pcDNA3.1(-) in which the CMV promoter had been collapsed. N, NotI, B, BamHI, P, PstI, E, EcoRI, H, HindIII, C, ClaI, X, XhoI, and K, KpnI.

FIGURE 6